

Public Transit Bus Fleet Rule and Emission Standards for Urban Buses

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Goal is Zero/Near Zero New Buses

- Goal for both paths is zero/near-zero emission technology
- New 2007 buses compared to current buses
 - NOx emissions 90% lower
 - PM emissions 80% lower
- Zero emission bus purchases beginning 2008 (2010 for alt. fuel path)

New Standards, cont'd.

- Large fleets on diesel path demonstrate
 ZEBs in 2003
- ARB ZEB feasibility review in 2006
- 15% purchase requirements 2008+, 2010+

Fleet Rule Standards

	"Diesel" Path		"Alternative-Fuel" Path	
Model Year	NOx (g/bhp-hr)	PM (g/bhp-hr)	NOx (g/bhp-hr)	PM (g/bhp-hr)
2000	4.0	0.05	2.5 (opt.)	0.05
	2.5 NOx+NMHC 4.8 NOx fleet ave.	0.05	1.8 NOx+NMHC (opt.) 4.8 NOx fleet ave.	0.03 NOx+NMHC (opt.)
2003-07/09		PM retrofit req'd. (07)		PM retrofit req'd. (09)
7/2003	3 bus demo ZEBs	3 bus demo ZEBs		
2004	0.5	0.01		
2007 2008	0.2 15% of new purchases, ZEBs	0.01 15% of new purchases, ZEBs	0.2	0.01
2010			15% of new purchases, ZEBs	15% of new purchases, ZEBs

Conclusion

Regulations will:

- Reduce emissions of ozone precursors
- Reduce public exposure to toxic diesel particulates
- Support continuing use of alternative-fuel buses
- Encourage technology advancement
- Zero/near-zero emission transit buses